CLAIMS

1. A poly(lactic acid) polymer composition containing (A) a poly(lactic acid) polymer with a weight average molecular weight of 50,000 or higher and (B) a cellulosic ester.

2. The poly(lactic acid) polymer composition according to claim 1 having a luminous transmittance of 40% or higher for visible light with 400 nm.

3. The poly(lactic acid) polymer composition according to claim 1, wherein the (A) poly(lactic acid) polymer and the (B) cellulosic ester are solvated and/or have a phase structure with 0.01 μm or smaller in the poly(lactic acid) polymer composition.

4. The poly(lactic acid) polymer composition according to claim 1 having a both continuous phase structure with 0.01 to 3 μm structure period or a dispersion structure with 0.01 to 3 μm inter-particle distance.

5. The poly(lactic acid) polymer composition according to claim 1, wherein the (B) component is at least one cellulosic ester selected from a group consisting of cellulose acetate, cellulose diacetate, cellulose triacetate, cellulose acetate propionate, cellulose acetate butyrate, and cellulose acetate phthalate.

6. The poly(lactic acid) polymer composition according to any of claims 1 to 5 further containing one or more kinds of (C) solvation agents for improving the compatibility of the poly(lactic acid) polymer and cellulosic esters.

7. A production method of the poly(lactic acid) polymer composition according to claim 1, comprising melt-kneading (A) a poly(lactic acid) polymer with a weight average molecular weight of 50,000 or higher and (B) a cellulosic ester.

8. A poly(lactic acid) biaxially drawn film containing (A) a poly(lactic acid) polymer with a weight average molecular weight of 50,000 or higher and (B) at least one compound selected from cellulosic esters, poly(meth)acrylates, and polyvinyl compounds having a glass transition temperature of 60°C or higher.

9. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the (A) component and the (B) component are solvated and/or have a phase structure with 0.01 μm or smaller.

10. The poly(lactic acid) biaxially drawn film according to claim 8 made of poly(lactic acid) polymer composition having a both continuous phase structure with 0.01 to 3 μm structure period or a dispersion structure with 0.01 to 3 μm inter-particle distance.

11. The poly(lactic acid) biaxially drawn film according to claim 8 having a degree of crystallinity 50% or higher.

12. The poly(lactic acid) biaxially drawn film according to claim 8 having a film haze value on the basis of 10 μm thickness 10% or lower.

13. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the content of the (B) component is in a range of 1% by weight or more and less than 50% by weight in the total content of the (A) component and the (B) component.

14. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the cellulosic ester of the (B) component is a cellulosic ester obtained by terminating hydroxyl groups of the cellulose with an esterification agent having 1 to 10 carbon atoms.

15. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the cellulosic ester of the (B) component is at least one kind cellulosic ester selected from a group consisting of cellulose diacetate, cellulose triacetate, and cellulose acetate propionate.

16. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the poly(meth)acrylate of the (B) component is poly(methyl methacrylate).

17. The poly(lactic acid) biaxially drawn film according to claim 8, wherein the polyvinyl compound of the (B) component is poly(vinyl phenol).

18. The poly(lactic acid) biaxially drawn film according to claim 8 containing one or more kinds of (C) solvation agents for improving the compatibility of the poly(lactic acid) polymer and the (B) component in addition to the (A) and (B) components.

19. A molded article made of poly(lactic acid) polymer composition containing (A) a poly(lactic acid) polymer with a weight average molecular weight of 50,000 or higher and (B) at least one compound selected from cellulosic esters, poly(meth)acrylates, and polyvinyl compounds having a glass transition temperature of 60°C or higher.

20. A molded article made of poly(lactic acid) polymer composition according to any of claims 2 to 6.